

**XP-002215059**

**AN - 1997-327855 [30]**

**AP - JP19960118104 19960513**

**CPY - MITK**

**DC - A17 A32 A92 P73**

**FS - CPI;GMPI**

**IC - B32B27/32 ; C08F110/06 ; C08F210/06 ; C08L23/08 ; C08L23/10**

**MC - A04-G03E1 A04-G06 A04-G09 A12-P01A**

**PA - (MITK ) MITSUI TOATSU CHEM INC**

**PN - JP9131837 A 19970520 DW199730 B32B27/32 009pp**

**PR - JP19950231203 19950908; JP19950114420 19950512**

**XA - C1997-105377**

**XIC - B32B-027/32 ; C08F-110/06 ; C08F-210/06 ; C08L-023/08 ; C08L-023/10**

**XP - N1997-271866**

**AB - J09131837 A new polypropylene laminate film (A) consists of a base layer of crystalline polypropylene and isotactic polypropylene layers which are laminated on both faces of the base layer. The crystalline polypropylene has a syndiotactic-pentad fraction of at least 0.6 and is a homopolymer of propylene or a copolymer of propylene and a smaller amount of another olefin. Another new polypropylene laminate film (B) is also claimed, where the base layer contains 100 pts. wt. of the crystalline polypropylene and 10-100 pts. wt. of ethylene-octene copolymer. The isotactic polypropylene layer is made of a specific isotactic polypropylene whose weight average molecular weight/number average molecular weight ratio is up to 4.5. The thickness of the base layer is 50-95 % w.r.t. the total thickness of the laminate film**

**- Young's modulus of laminate film (A) before or after retorting is up to 80 kg/mm<sup>2</sup>. Laminate film (B) has a haze value of up to 2.5 %, a Young's modulus of up to 60 kg/mm<sup>2</sup> and an impact resistance of at least 50 kg.cm/mm at 5 deg. C.**

**- USE - For packaging liquid chemical, foods, general goods, or textiles.**

**- ADVANTAGE - The new laminate film has good film property and good transparency. It keeps good flexibility before or after retort sterilisation, providing higher impact resistance at low temperatures, and has excellent anti-blocking performance at high temperatures.**

**- (Dwg.0/0)**

**IW - POLYPROPYLENE@ LAMINATE FILM ONE CRYSTAL ISOTACTIC POLYPROPYLENE  
ETHYLENE OCTENE COPOLYMER**

**IKW - POLYPROPYLENE@ LAMINATE FILM ONE CRYSTAL ISOTACTIC POLYPROPYLENE  
ETHYLENE OCTENE COPOLYMER**

**NC - 001**

**OPD - 1995-05-12**

**ORD - 1997-05-20**

**PAW - (MITK ) MITSUI TOATSU CHEM INC**

**TI - Polypropylene@ laminate films - where one includes crystalline and isotactic polypropylene and the other includes an ethylene-octene copolymer**

**A01 - [001] 018 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ;  
H0000 ; S9999 S1285-R ; P1150 ; P1343 ;**

D01 D02 D12 D10 D51 D53 D58 D83 ; H0022 H0011 ; S9999 S1285-R ;  
P1150 ;

- [003] 018 ; ND01 ; Q9999 Q8366-R ; Q9999 Q7589-R ; Q9999 Q6939-R ;  
Q9999 Q9132 ; Q9999 Q7818-R ; K9698 K9676 ; K9676-R ; K9483-R ;  
K9574 K9483 ; B9999 B5243-R B4740 ; B9999 B4397 B4240 ; K9870 K9847  
K9790 ; B9999 B4035 B3930 B3838 B3747 ; B9999 B3930-R B3838 B3747 ;
- [004] 018 ; B9999 B3189 ; K9665 ; B9999 B4159 B4091 B3838 B3747 ;
- [005] 018 ; B9999 B3189 ; B9999 B5685 B5276 ; K9461 ;
- [006] 018 ; K9712 K9676 ;
- [007] 018 ; B9999 B4795 B4773 B4740 ; B9999 B4955 B4944 B4922 B4740 ;
- [008] 018 ; B9999 B5107-R B4977 B4740 ; B9999 B5094 B4977 B4740 ;

A02 - [001] 018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;  
R00936 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D88 ; H0022  
H0011 ; S9999 S1285-R ; P1150 ;

- [002] 018 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ;  
H0000 ; S9999 S1285-R ; P1150 ; P1343 ;
- [003] 018 ; ND01 ; Q9999 Q8366-R ; Q9999 Q7589-R ; Q9999 Q6939-R ;  
Q9999 Q9132 ; Q9999 Q7818-R ; K9698 K9676 ; K9676-R ; K9483-R ;  
K9574 K9483 ; B9999 B5243-R B4740 ; B9999 B4397 B4240 ; K9870 K9847  
K9790 ; B9999 B4035 B3930 B3838 B3747 ; B9999 B3930-R B3838 B3747 ;
- [004] 018 ; B9999 B3189 ; K9665 ; B9999 B4159 B4091 B3838 B3747 ;
- [005] 018 ; B9999 B3189 ; B9999 B5685 B5276 ; K9461 ;
- [006] 018 ; K9745-R ;